

Claims

1. A braking- and damping device having a fluid-cylinder in which two pistons are arranged in linearly displaceable manner, wherein a piston is displaceable over a piston rod, wherein arranged between the two pistons is an elastically deformable sealing member, which, when damping occurs, is deformed by being squeezed between the two pistons (2, 5) and pressed against the cylinder wall (7).
2. A braking- and damping device according to Claim 1, wherein the piston which is displaceable linearly over a piston rod has an open cavity at the front face thereof into which the second piston is introduced, wherein the second piston (5) is mounted in the first piston (2) in freely displaceable manner, and, on the outer casing, has an annular projection (22) which is disposed in front of the first piston (2), and arranged between the annular projection (22) and the front face (9) of the first piston (2) is the sealing member which is in the form of a sealing ring (6).
3. A braking- and damping device according to Claim 2, wherein the front face (9) of the first piston (2) is inclined rearwardly from the second piston (5) towards the cylinder wall (7) of the cylinder (1).
4. A braking- and damping device according to Claim 2, wherein provided in the cavity (10) of the first piston (2) are abutments which delimit the path of displacement of the second piston (5).
5. A braking- and damping device according to Claim 2, wherein the second piston (5) is provided with an annular skirt (19).
6. A braking- and damping device according to Claim 5, wherein the skirt (19) consists of a rubber elastic material.
7. A braking- and damping device according to Claim 5, wherein the skirt (19) skims over the cylinder wall (7) of the cylinder (1).

8. A braking- and damping device according to Claim 2, wherein provided between the floor (11) of the cavity (10) of the first piston (2) and the rear side of the second piston (5) is at least one elastic spacer (20).
9. A braking- and damping device according to Claim 8, wherein the second piston (5) is made of plastics material, and the, at least one, spacer (20) is formed on the rear side of the second piston (5).
10. A braking- and damping device according to Claim 8, wherein provided in the floor (11) of the cavity (10) of the first piston (2) is at least one recess (21) for the, at least one, spacer (20).
11. A braking- and damping device according to Claim 1, wherein provided on the cylinder wall (7) are axially extending grooves (15) which permit the passage of the pneumatic medium when the pistons (2, 5) are disposed in their front end position.
12. A braking- and damping device according to Claim 1, wherein the piston (5) which is oppositely disposed to the piston (2) with piston rod (3) is provided with a seal which seals the cylinder wall (7) of the cylinder (1).
13. A braking- and damping device according to Claim 1, wherein the sealing member in the form of a solid body (18) is manufactured from a rubber elastic material which connects the two pistons (2, 5).
14. A braking- and damping device according to Claim 1, characterised in that the elastically deformable sealing member is designed as a cylindrical bellows (17).
15. A braking- and damping device according to Claim 14, wherein the cylindrical bellows (17) has a plurality of peripherally extending ribs (24) which lie sealingly against the cylinder wall (7).
16. A braking- and damping device according to Claim 14, wherein the bellows (17) contains a hydraulic fluid.

17. A braking- and damping device according to Claim 1, wherein inserted between the two pistons (2, 5) is a compression spring (31).
18. A braking- and damping device according to Claim 14, wherein the bellows (17) is anchored with a positive fit in the pistons (2, 5).
19. A braking- and damping device according to Claim 13, wherein the pistons (2, 5) have recesses (26) in their front faces, into which recesses projections (27) of the deformable sealing member are received.
20. A braking- and damping device according to Claim 11, wherein the pneumatic medium is air.
21. A braking- and damping device according to claim 1 for movable pieces of furniture.

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